

## LATERAL FLOW CONTACT TEST APPARATUS

### Abstract

A test strip assembly for detecting the presence of a substance in liquid sample  
5 comprises a contact detection pad in communication with a reagent-free absorbent  
strip. The absorbent strip receives the liquid sample and communicates it to the contact  
detection pad via lateral flow. The absorbent strip and contact detection pad are  
adhered to a support. A liquid impermeable pad is disposed adjacent to and spaced  
apart from the contact detection pad to prevent any further travel of the sample. Further  
add-on assemblies may be coupled to the base test strip assembly. The test strip  
assembly may be disposed in a housing along with a drug test strip to form a device  
that performs multiple types of tests. Methods for assaying and manufacturing are also  
provided.